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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2010; month=9; day=15; hr=10; min=58; sec=25; ms=185;]

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Reviewer Comments:

<210> 28

<211> 20

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 28

yytcccanr tncnnygcrr 20

Please explain the "n's" at locations 8-9, 12, and 14-15 above. The explanation would be in a <220>-<223> section following the "<223> synthetic DNA" line. Please indicate which nucleotide(s) the n's represent.

<210> 30

<211> 10

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 30

rrynnarygg 10

Please explain the "n's" at locations 4-5 above.

<210> 31
<211> 11
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 31
ggttcgantc c 11

Please explain the "n" at location 8 above. FYI: this sequence (Sequence 31) is the last sequence in the submitted file. Please see below:

<160> 25

Although the above <160> response is "25", 31 sequences were in the submitted file.

Application No: 10567168

Version No: 2.0

Input Set:**Output Set:****Started:** 2010-09-03 19:17:10.964**Finished:** 2010-09-03 19:17:14.548**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 584 ms**Total Warnings:** 31**Total Errors:** 9**No. of SeqIDs Defined:** 25**Actual SeqID Count:** 31

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2010-09-03 19:17:10.964
Finished: 2010-09-03 19:17:14.548
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 584 ms
Total Warnings: 31
Total Errors: 9
No. of SeqIDs Defined: 25
Actual SeqID Count: 31

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 8 SEQID(28)
E 342	'n' position not defined found at POS: 9 SEQID(28)
E 342	'n' position not defined found at POS: 12 SEQID(28)
E 342	'n' position not defined found at POS: 14 SEQID(28)
E 342	'n' position not defined found at POS: 15 SEQID(28)
E 342	'n' position not defined found at POS: 4 SEQID(30)
E 342	'n' position not defined found at POS: 5 SEQID(30)
E 342	'n' position not defined found at POS: 8 SEQID(31)
E 252	Calc# of Seq. differs from actual; 25 seqIds defined; count=31

SEQUENCE LISTING

<110> National Institute of Advanced Industrial Science and
Technology
TAKAGI, Yasuomi

<120> A method for efficient preparation of dumbbell-shaped DNA

<130> 10084.0003

<140> 10567168

<141> 2010-09-03

<150> PCT/JP04/11449

<151> 2004-08-09

<150> JP2003-206905

<151> 2003-08-08

<160> 25

<170> PatentIn version 3.4

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<211> 245

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<213> Artificial

<220>

<223> synthetic DNA

<400> 1

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aatacgtgac gtagaaagta ataatttctt gggtagtctt cagtttttaa attatgtttt 180

aaaatggact atcatatgct taccgtaact tgaaagtatt tcgatttctt ggctttatat 240

atctt 245

<210> 2

<211> 104

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 2

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ttgggaatct tataagttct gtatgagacc acagatcgat cccc 104

<210> 3
 <211> 86
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

 <400> 3
 accggttggtt tccgtagtgt agtgggttatc acgttcgcct aacacgcgaa aggtccccgg 60

 ttcgaaaccg ggcactacaa aaacca 86

<210> 4
 <211> 14
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (7)..(8)
 <223> n is a, c, g, or t

<220>
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 <222> (11)..(11)
 <223> n is a, c, g, or t

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 <212> DNA
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 <220>
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<220>
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<222> (7)..(9)
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<220>
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<223> n is a, c, g, or t

<400> 5
ggntggnnng gntgg

15

<210> 6
<211> 16
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

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<222> (3)..(3)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<400> 6
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16

<210> 7
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<220>
<223> synthetic DNA

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<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (7)..(11)
 <223> n is a, c, g, or t

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 <222> (14)..(14)
 <223> n is a, c, g, or t

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<210> 8
 <211> 15
 <212> DNA
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 <220>
 <223> synthetic DNA

 <400> 8
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 <211> 63
 <212> DNA
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 <220>
 <223> synthetic DNA

 <400> 9
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 gcc 63

<210> 10
 <211> 53
 <212> DNA
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 <220>
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 <400> 10
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<210> 11
 <211> 43
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 <213> Artificial

 <220>

<223> synthetic DNA

<400> 11
gggaattcac ctgccggcga gggttttccc agtcacgacg ttg 43

<210> 12
<211> 46
<212> DNA
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<220>
<223> synthetic DNA

<400> 12
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<210> 13
<211> 34
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 13
ggtgtgtccg cgttggttt tgccaacgcg gaca 34

<210> 14
<211> 59
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 14
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<211> 41
<212> DNA
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<220>
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<210> 16
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<213> Artificial

<220>

<223> synthetic DNA

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<210> 17

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<210> 18

<211> 44

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 18

ttaggtcttt tgacctaagc gagcggataa caatttcaca cagg 44

<210> 19

<211> 39

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 19

gttttcccag tcacgacgtt gaaggtcggg caggaagag 39

<210> 20

<211> 44

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 20

gagcggataa caatttcaca caggaaaaag gctacgtcca ggag 44

<210> 21
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 <212> DNA
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 <220>
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 gcctattttc catgattcct tcatatttgc atatacgata caaggctgtt agagagataa 120

 ttagaattaa ttgactgta aacacaaaga tattagtaca aaatacgtga cgtagaaagt 180

 aataatttct tgggtagttt gcagttttta aattatgttt taaaatggac tatcatatgc 240

 ttaccgtaac ttgaaagtat ttcgatttct tggttttata tatcttgtgg aaaggacgaa 300

 acaccggcta tgtctaggag tgtacctaga attacatcaa gggagatggg gcgctcctgg 360

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 gtatttcgat ttcttggctt tatatatctt gtggaaagga cgaaacacc 109

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<220>

<223> synthetic DNA

<400> 24

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<210> 25

<211> 240

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 25

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attaatttgc ctgtaaacac aaagatatta gtacaaaata cgtgacgtag aaagtaataa 120

tttcttgggt agtttgcagt tttaaaatta tgttttaaaa tggactatca tatgcttacc 180

gtaacttgaa agtatttcga tttcttggct ttatatatct tgtggaaagg acgaaacacc 240

<210> 26

<211> 4

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 26

tata 4

<210> 27

<211> 19

<212> DNA

<213> Artificial

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<223> synthetic DNA

<400> 27

cttaccgtaa cttgaaagt 19

<210> 28

<211> 20

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 28
yytcccanrr tcnnygcrr 20

<210> 29
<211> 8
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 29
atgcaaatt 8

<210> 30
<211> 10
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 30
rrynnarygg 10

<210> 31
<211> 11
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 31
ggttcgantc c 11